

Title (en)  
FLUID DAMPER, PARTICULARLY FOR MOVABLE PIECES OF FURNITURE

Title (de)  
FLUIDDÄMPFER, INSBESONDERE FÜR BEWEGLICHE MOBELTEILE

Title (fr)  
AMORTISSEUR FLUIDIQUE, NOTAMMENT POUR PARTIES DE MEUBLE MOBILES

Publication  
**EP 1281011 A1 20030205 (DE)**

Application  
**EP 02704468 A 20020312**

Priority  
• AT 0200080 W 20020312  
• AT 3902001 A 20010313

Abstract (en)  
[origin: EP1241374A1] The fluid damper has a cylinder within which a piston (3) is movable in a linear fashion and which has several spaced apart annular discs (9-12) which have orifices (15) for the damping fluid and which in part are elastically bendable. The annular discs are arranged in such a way that during the damping stroke of the piston the bent discs (9-11) at least partially cover the orifices of the annular disc lying behind in each case. With regard to the direction of movement of the piston when damping the annular discs have from front to rear an increasing number of orifices.

IPC 1-7  
**F16F 9/516**; **F16F 9/348**; **F16F 9/512**

IPC 8 full level  
**F16F 9/34** (2006.01); **F16F 9/348** (2006.01); **F16F 9/508** (2006.01); **F16F 9/512** (2006.01); **F16F 9/516** (2006.01)

CPC (source: EP US)  
**E05F 5/10** (2013.01 - EP US); **F16F 9/348** (2013.01 - EP US); **F16F 9/512** (2013.01 - EP US); **F16F 9/516** (2013.01 - EP US);  
**A47B 2210/0094** (2013.01 - EP US)

Citation (search report)  
See references of WO 02073064A1

Cited by  
US8902406B2; US8194230B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1241374 A1 20020918**; **EP 1241374 B1 20031210**; AT 412184 B 20041125; AT A3902001 A 20040415; BR 0204512 A 20030610;  
BR 0204512 B1 20110517; CN 1226540 C 20051109; CN 1459010 A 20031126; DE 20216262 U1 20030102; DE 50200130 D1 20040122;  
EP 1281011 A1 20030205; ES 2207621 T3 20040601; JP 2004518923 A 20040624; TR 200302263 T4 20040121; US 2003075845 A1 20030424;  
US 6802408 B2 20041012; WO 02073064 A1 20020919

DOCDB simple family (application)  
**EP 02000660 A 20020111**; AT 0200080 W 20020312; AT 3902001 A 20010313; BR 0204512 A 20020312; CN 02800629 A 20020312;  
DE 20216262 U 20020312; DE 50200130 T 20020111; EP 02704468 A 20020312; ES 02000660 T 20020111; JP 2002572292 A 20020312;  
TR 200302263 T 20020111; US 27648902 A 20021115